

#10



1600

## RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/09/600,392

TIME: 09:06:09

Input Set : A:\SEQ.LIST.app

Output Set: N:\CRF3\03042002\I600392.raw

ENTERED

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3 <110> APPLICANT: PHARMACIA & UPJOHN COMPANY
4     Quinn, Cheryl L.
5     Ford, Charles W.
7 <120> TITLE OF INVENTION: AN AUTOREGULATORY SYSTEM FOR VALIDATING MICROBIAL GENES
8     AS POSSIBLE ANTIMICROBIAL TARGETS USING A
9     TETRACYCLINE-CONTROLLABLE ELEMENT
11 <130> FILE REFERENCE: 6137.P US
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/600,392
C--> 14 <141> CURRENT FILING DATE: 2000-07-16
16 <150> PRIOR APPLICATION NUMBER: 60/071,640
17 <151> PRIOR FILING DATE: 1998-01-16
19 <160> NUMBER OF SEQ ID NOS: 45
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 31
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
30     Oligonucleotides
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33 acgcacgagc tcggttgacg atggcattgt c                               31
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37 <211> LENGTH: 26
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
43     Oligonucleotides
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46 ggggtacccc ctctgcaa at gtcaaa                                     26
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51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
56     Oligonucleotides
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59 acgcacgagc tcagatcttc gcttgtgcgg                               30
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 28
64 <212> TYPE: DNA

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65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
69     Oligonucleotides
71 <400> SEQUENCE: 4
72 ggggtacccg ctgaagagat agcgattg                28
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 33
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
82     Oligonucleotides
84 <400> SEQUENCE: 5
85 acgcacgagc tctttcagaa atgttcggtt atg          33
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 28
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
95     Oligonucleotides
97 <400> SEQUENCE: 6
98 ggggtaccaa atttatctct catgatag                28
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 21
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
108     Oligonucleotides
110 <400> SEQUENCE: 7
111 caggtagcagc agtaagtaag c                      21
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 21
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
121     Oligonucleotides
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124 gtcaacgtga gcgtagtgac g                      21
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 54
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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136 <400> SEQUENCE: 9
137 cgaagtttga tagatgatac attctattaa acttcctttt tttatgctct gaaa          54
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143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
147     Oligonucleotides
149 <400> SEQUENCE: 10
150 aaacaatgat tatctacctt attagtgcag atagataacc attgtttatc          50
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 52
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
160     Oligonucleotides
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163 agcataaaaa aaggaagttt aatagaatgt atcatctatc aaacttcggt ac          52
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 60
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173     Oligonucleotides
175 <400> SEQUENCE: 12
176 ccgggataaaa caatggttat ctatctgcac taataaggta gataatcatt gttttttcag 60
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180 <211> LENGTH: 27
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182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
186     Oligonucleotides
188 <400> SEQUENCE: 13
189 cgggatccaa tggaggaaaa tcacatg          27
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 33
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
199     Oligonucleotides
201 <400> SEQUENCE: 14
202 tccccccggg taggacacaa tatccacttg tag          33
205 <210> SEQ ID NO: 15
206 <211> LENGTH: 39

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207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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227 <400> SEQUENCE: 16
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232 <211> LENGTH: 29
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238     Oligonucleotides
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245 <211> LENGTH: 62
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
251     Oligonucleotides
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255 aa          62
258 <210> SEQ ID NO: 19
259 <211> LENGTH: 60
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
265     Oligonucleotides
267 <400> SEQUENCE: 19
268 ctagtttgac aaataactct atcaatgata gtgtcaacaa aaaggaggaa ttaatgatgt 60
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 46
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:

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277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
278     Oligonucleotides
280 <400> SEQUENCE: 20
281 ctagttttttt atttgtcgag ttcatgaaaa actaaaaaaaa attgac          46
284 <210> SEQ ID NO: 21
285 <211> LENGTH: 37
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291     Oligonucleotides
293 <400> SEQUENCE: 21
294 ttttttttag tttttcatga actcgacaaa taaaaaa          37
297 <210> SEQ ID NO: 22
298 <211> LENGTH: 42
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304     Oligonucleotides
306 <400> SEQUENCE: 22
307 actctatcat tgatagagta taattaaaat aaaaaagctg ca          42
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 40
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
317     Oligonucleotides
319 <400> SEQUENCE: 23
320 acatacgcac gcgaattctt aaaattcctt cattacactc          40
323 <210> SEQ ID NO: 24
324 <211> LENGTH: 43
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330     Oligonucleotides
332 <400> SEQUENCE: 24
333 gcttttttat tttaattata ctctatcaat gatagagtgt caa          43
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337 <211> LENGTH: 30
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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345 <400> SEQUENCE: 25
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/600,392

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Input Set : A:\SEQ.LIST.app

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date